

Max's Festive Maths Challenge

Learning objective: To solve multi-step problems involving addition, subtraction, multiplication, and money in a seasonal context.

Read the festive scenarios below and use Max the monkey's methods to solve each maths puzzle. Show your working out clearly.

Max the monkey is helping the forest animals prepare for their festive feast. Max has a budget of £50.00 to buy decorations and treats. He finds 4 boxes of sparkly baubles for £3.50 each. Next, he buys 3 packs of glittery paper chains costing £2.25 per pack. Finally, he finds a large star for the top of the tree priced at £12.50. Max needs to make sure he has enough money left over to buy a big bag of monkey-nuts for the party.

Word bank: total · difference · calculate · operation · partition · exchange

1. Calculate the total cost of the 4 boxes of baubles. Show your working out. (2 marks)

2. What is the total cost of the 3 packs of paper chains? (2 marks)

3. How much does Max spend in total on the baubles, the paper chains, and the star? (2 marks)

4. If Max started with £50.00, how much change does he have left after buying all his items? (2 marks)

5. Max wants to buy monkey-nuts that cost £15.00. Does he have enough money left from his original £50.00 budget? Explain your answer. (2 marks)

Draw: Draw a picture of Max the monkey decorating a tree with his baubles, paper chains, and the large star. Label the items with their individual prices.



Extension challenge: Imagine Max decides to buy 10 extra bows for the tree, each costing 85p. How much would these cost in total? If he uses a £10 note to pay for them, how much change will he receive?